

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1. (Previously Presented) A plasma display panel with barrier ribs configured in a closed shape comprising:

a plurality of sub-pixel cells each having a cell area defined by said closed shape barrier ribs;

a plurality of said sub-pixels cells in a delta configuration defining a color pixel;

a plurality of sustain electrodes each spaced apart in a row direction at a predetermined cell length, wherein each sustain electrode substantially aligns with a barrier rib in a row direction and is substantially the same width as the barrier rib in the row direction;

a plurality of data electrodes overlapping a wall of said barrier ribs in a column direction, each of said data electrodes extending under said cell area, wherein each data electrode substantially aligns with a barrier rib in the column direction and is substantially the same width as the barrier rib in the column direction, and wherein

a dual scan gap of a predetermined gap length is formed between a pair of said data electrodes in the column direction and at least partially overlapping the barrier ribs in a column direction, and

a gap is formed between said barrier ribs in a row direction and said data electrodes, and said gap is positive or negative, wherein said gap is less than 45% of the cell length.

2. (Canceled)

3. (Original) The device of claim 1, at least one of wherein said gap is less than 40%.

4. (Previously Presented) The panel of claim 1, wherein said gap length is smaller than said cell length and said dual scan gap crosses over one of said barrier ribs in a row direction.

5. (Original) The panel of claim 1, wherein said data electrodes has an expanded portion in said cell area.

6. (Withdrawn) The panel of claim 5, wherein said expanded portion is of a rectangular shape.

7. (Withdrawn) The panel of claim 1, wherein said gap length is greater than said cell length and said gap length crosses over one of said row barrier ribs.

8. (Withdrawn) The panel of claim 1, wherein said gap length is greater than said cell length and said gap length crosses over two of said row barrier ribs.

9. (Withdrawn) A plasma display panel with barrier ribs configured in a closed shape comprising:

a plurality of sub-pixel cells each having a cell area defined by said closed shape barrier ribs;

a plurality of said sub-pixels cells in a delta configuration defining a color pixel;

a plurality of bus electrodes each spaced apart in a row direction at a predetermined cell length, wherein each bus electrode substantially aligns with a barrier rib in a row direction and are substantially the same width as the barrier rib in a row direction;

a plurality of data electrodes overlapping a wall of said barrier ribs in a column direction, each of said data electrodes partially extending under said cell area, wherein each data electrode substantially aligns with a barrier rib in a column direction and is substantially the same width as the barrier rib in the column direction, and wherein

a dual scan gap of a predetermined gap length is formed between a pair of said data electrodes in a column direction, and

each of said gap length crosses over two of said barrier ribs in a row direction.

10. (Currently Amended) A method of constructing a plasma display panel with barrier ribs configured in a closed shape, said method comprising the steps of:

configuring a plurality of sub-pixel cells each having a cell area by partitioning said barrier ribs;

defining a color pixel through said sub-pixels cells in a delta configuration;

disposing a plurality of sustain electrodes in a row direction and spaced apart at a predetermined cell length;

positioning a plurality of data electrodes to overlap with a wall of said barrier ribs in a column direction, each of said data electrodes extending under said cell area[[]], wherein

a dual scan gap of a predetermined gap length is formed between a pair of said data electrodes in a column direction, and

a gap is formed between said barrier ribs in a row direction and said data electrodes, wherein said gap is less than 45% of the cell length.

11. (Canceled)

12. (Original) The method of claim 10, at least one of wherein said discharge gap is less than 40%

13. (Previously Presented) The method of claim 10, wherein said gap length is smaller than said cell length and said dual scan gap crosses over one of said barrier ribs in a row direction.

14. (Withdrawn) The method of claim 10, wherein said data electrodes have an expanded portion for additional coverage under said cell area.

15. (Withdrawn) The method of claim 10, at least one of wherein said gap length is greater than said cell length and said gap length crosses over one of said row barrier ribs.

16. (Currently Amended) A plasma display panel with barrier ribs configured in a closed shape comprising:

a plurality of sub-pixel cells each having a cell area defined by said closed shape barrier ribs;

a plurality of said sub-pixels cells in a delta configuration defining a color pixel;

a plurality of sustain electrodes each spaced apart in a row direction at a predetermined cell length, wherein each sustain electrode substantially aligns with a barrier rib in a row direction and is substantially the same width as the barrier rib in the row direction;

a plurality of data electrodes each spaced apart in a column direction, wherein each data electrode substantially aligns with a barrier rib in a column direction and is substantially the same width as the barrier rib in the column direction; and

a dual scan gap of a predetermined gap length is formed between a pair of said data electrodes in the column direction, and said dual scan gap crosses under said barrier ribs in a row direction.